|     | Index of Claims |                |          |          |              |              |              |                                     |                 |                 |                                       |         |       | Application No. |           |          |                |          |    |          |          |           |           |       | hii  | Çai        | ııls             | ''       |          |         |         |              |          |           |        |
|-----|-----------------|----------------|----------|----------|--------------|--------------|--------------|-------------------------------------|-----------------|-----------------|---------------------------------------|---------|-------|-----------------|-----------|----------|----------------|----------|----|----------|----------|-----------|-----------|-------|--|------------|------------------|----------|----------|---------|---------|--------------|----------|-----------|--------|
|     |                 |                |          |          |              |              |              |                                     |                 |                 |                                       |         |       | 0               | 9/9       | 166      | . 04           | )4       |    |          |          |           |           |       | ים   | AK:        | S F              | ET 4     | AL.      |         |         |              |          |           |        |
|     |                 |                |          |          |              |              |              |                                     |                 |                 |                                       |         |       |                 | xaı       |          |                |          | _  |          |          |           | •         |       |  |            | nit              |          |          | Т       | _       |              |          |           |        |
|     |                 |                |          |          |              |              |              |                                     |                 |                 |                                       |         |       |                 |           |          |                |          |    |          |          |           |           |       |  |            |                  |          |          |         |         |              | -        |           |        |
|     |                 | 11011          | III      |          |              | 1111         |              | ш                                   | min i           |                 | шШ                                    | III     |       |                 |           |          | John J Romano  |          |    |          |          |           |           |       |  |            |                  | 21       | 92       |         |         |              | $\perp$  |           |        |
|     |                 |                |          |          |              |              |              |                                     |                 |                 |                                       |         |       |                 |           |          |                |          |    |          |          |           |           |       |  |            | _                |          |          |         |         |              | _        |           |        |
|     |                 |                | 1        | ۵        | eje          |              | a d          |                                     |                 |                 | (                                     | (T)     | hrou  | ıgh (           | nui       | ne       | ral)           |          |    |          | N.       | مما       | _E1       | ^~    | ted  |            |                  |          | Α.       | рре     | al      |              |          |           |        |
|     |                 |                | *        | "        | ale          | rcu          | 80           |                                     |                 | -               |                                       |         | C     | ance            | lle       | ď        |                |          |    | N        | l I      | UII       | -61       | 80    | iea  |            | A                |          | ~        | phe     | rai     |              |          |           |        |
|     |                 |                |          | Γ.       |              |              |              | 1                                   |                 | $\Box$          |                                       |         |       |                 |           |          |                |          |    | Γ.       | Γ.       |           |           |       |  | 1          |                  |          | <u> </u> |         | Ad      |              | ]        |           |        |
|     |                 |                | =        | ^        | Vilo         | We           | 90           |                                     |                 | +               |                                       |         | K     | stri            | Cte       | d        |                |          |    |          | 17       | 166       | nei       | er    | 100  |            | 0                |          | UĐ       | jec     | tea     | l            |          |           |        |
|     |                 |                |          | Щ.       |              |              |              | ,<br>                               |                 |                 |                                       | _       |       |                 |           |          |                |          |    |          |          |           |           |       |  | ,          |                  |          |          |         |         |              |          |           |        |
| [   | Cla             | aim            | $\Box$   |          | <del>-</del> |              | Dat          | <u>e</u>                            |                 |                 |                                       | $\cdot$ | Cla   | aim             |           |          |                |          | at | 2        |          | _         |           |       | C  | aim        | L,               |          |          | Da      | te      |              |          |           |        |
|     |                 | <u> </u>       | 20       | 20       | 1            |              | 1            |                                     |                 |                 |                                       | - 1     | -     | Ē               |           |          |                | l        |    |          | Н        |           |           | :     | _  | ig         |                  |          | 1        | ı       | ı       |              | ı        |           |        |
|     | Final           | Original       | 3/31/05  | 1        | Κ.           |              | l            |                                     |                 |                 |                                       | - 1     | Final | Original        |           |          |                |          |    |          |          |           |           |       | Final  | Original   |                  |          | -        |         |         |              | 1        |           |        |
|     | -               | ō              | 8        | 19       |              | ĺ            |              |                                     |                 |                 |                                       | -1      | •     | ō               |           |          |                |          |    |          |          |           |           | ٠     | "  | ō          |                  |          |          |         |         |              |          |           |        |
| ŀ   |                 | 1              | 1        | J        |              | T            |              |                                     |                 | H               | J                                     | 1       |       | 51              | T         |          |                |          |    |          |          |           |           |       |  | 101        |                  | 士        | 士        | 士       |         | I            |          |           | ]      |
|     |                 | 2              | 7        | 1        |              | 匚            | 匚            |                                     |                 | П               |                                       | ſ       |       | 52              | L         | F        |                | П        |    |          | Ц        |           |           |       |  | 102        | $\Box$           | $\Box$   | Ţ        | T       | $\perp$ | $\perp$      | igspace  | Ц         | ]      |
| -   |                 | 3              | 1        | $\dashv$ | -            | ├-           | -            | _                                   | Н               | $\vdash \vdash$ |                                       | -       |       | 53<br>54        | ┼         | ┼        | -              | Н        | Н  | -        | Н        | $\vdash$  | Н         | ļ     | <u> </u>   | 103        | $\dashv$         | +        | +        | +       | +-      | +            | ╀        | Н         |        |
|     |                 | 5              | 7        | +        | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$                            | Н               | $\dashv$        | $\dashv$                              | ŀ       |       | 55              | +         | +-       | $\vdash$       | $\vdash$ | -  | -        | Н        | $\dashv$  | H         |       | <del> </del>                                     | 104        | $\vdash \vdash$  | $\dashv$ | +        | ╁       | +       | +            | +        | Н         | ]      |
| ŀ   |                 | 6              | i        |          |              | $I^-$        | T            |                                     | Н               | H               | $\exists$                             | •       |       | 56              |           | T        |                | Н        |    |          | H        |           | $\Box$    | • • • |  | 106        |                  | _†       | 丁        | 丁       | 1       | 丁            |          |           | ]      |
|     |                 | 7              | 7        |          |              |              |              |                                     |                 |                 |                                       | [       |       | 57              |           | L        |                |          |    |          |          |           |           |       |  | 107        |                  | $\Box$   | I        | 1       | Ţ       | I            | L        |           | ]      |
| -   |                 | 8              | 1        | 4        | ⊢            | ⊢            | ┡            | <u> </u>                            | Н               | $\vdash$        |                                       | ŀ       |       | 58              |           | ┼        | ļ              | $\vdash$ |    |          | Н        | _         | $\square$ | ٠     | <u> </u>   | 108        | $\vdash$         | 4        | -        |         | -       | ┿            | ╀        | <b>  </b> |        |
| -   |                 | 9              | 7        | +        | ⊢            | ┝            | ⊢            | ⊢                                   | Н               | $\vdash$        | $\dashv$                              | ŀ       |       | 59<br>60        | ┿         | ╫        | -              | $\vdash$ | _  | -        | Н        | -         | $\vdash$  |       | <del> </del>                                     | 109<br>110 | Н                | +        | +        |         | +-      | +            | ┼        | -         |        |
|     |                 | 11             | 1        | H        | ┪            | $\vdash$     | ╁            | <del> </del>                        | Н               |                 | ᅥ                                     | -       |       | 61              | $\dagger$ | t        | $\vdash$       | Н        |    | Н        | Н        | $\dashv$  | Н         |       | <del> </del>                                     | 111        | $\vdash$         | $\dashv$ | +        | +       | +       | +-           | +-       | $\vdash$  |        |
|     |                 | 12             | V        |          |              |              |              |                                     |                 |                 |                                       |         |       | 62              |           |          |                |          |    |          |          |           |           | : :   |  | 112        |                  | コ        | I        | I       |         |              |          |           |        |
| -   |                 | 13             | 1        | Ц        | L            | <u> </u>     | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш               | Щ               | ـــــــــــــــــــــــــــــــــــــ | ļ       |       | 63              | Ļ         | ╄        | <u> </u>       | Ш        |    | _        | Ц        | _         | Ц         | ż     | <u> </u>   | 113        | $\sqcup$         | _        | $\bot$   | +       | +       | $\bot$       | 1_       | Н         |        |
| ŀ   |                 | 14<br>15       | 7        | H        | ⊢            | ┝            | ⊢            | -                                   | ⊢               | Н               |                                       | • • }   |       | 64<br>65        | ╁         | +        | -              | Н        | _  | -        | Н        | $\dashv$  | $\dashv$  |       | <del> </del>                                     | 114<br>115 | H                | -        | +        | +       | ┿       | ╁            | +        | ╂╌┤       |        |
|     |                 | 16             | 1        | H        | $\vdash$     | H            | $\vdash$     | <u> </u>                            | Н               |                 | $\neg$                                | ł       |       | 66              | +         | +        | -              |          |    |          | -        |           | $\vdash$  | -     | <b></b>  | 116        | Н                | ┪        | 十        | ╅       | 十       | ╁            | +        | H         |        |
|     |                 | 17             | 1        | Ī        |              |              |              |                                     |                 |                 |                                       | I       |       | 67              |           |          |                |          |    |          |          |           |           | اً .  |  | 117        |                  |          | I        | $\perp$ |         |              |          |           |        |
| -   |                 | 18             | 1        | 4        | <u> </u>     | ļ            | <del> </del> | ļ                                   | ļ               | $\sqcup$        | -4                                    | ļ       |       | 68              | Ļ         | ╀-       | L              | Ш        |    |          | Ш        | _         |           | •     | <u> </u>   | 118        | Н                |          | 4        |         | 4       | 4            | 1_       | Ш         |        |
| ⊦   |                 | 19<br>20       | 44       | +        | $\vdash$     | ┝            | ⊢            | -                                   | Н               | Н               |                                       | ŀ       |       | 69<br>70        | ╁         | ╁        | $\vdash$       | Н        | _  | Н        | Н        | $\dashv$  | H         |       | ├  | 119<br>120 | $\vdash$         | +        | +        | ╁       | ╁       | ╁            | +-       | $\vdash$  |        |
| l l |                 | 21             | Ì        | H        | Н            | -            |              | Н                                   | Н               | $\vdash$        |                                       | 1       |       | 71              | t         | t        | T              | Н        |    | Н        | Н        | $\exists$ | $\vdash$  | ٠.    |  | 121        | Н                | 十        | +        | +       | 十       | +            | T        | Н         |        |
|     |                 | 22             | 1        |          |              |              |              |                                     |                 |                 |                                       | -       |       | 72              |           |          |                |          |    |          |          |           |           |       |  | 122        |                  |          |          | I       | I       |              |          |           |        |
| -   |                 | 23             | 1        | Ц        | L            | L            | L            |                                     | Н               |                 | 4                                     | : }     |       | 73              | -         | -        | <u> </u>       | -        |    | L        |          | _         | $\Box$    |       |  | 123        | $\sqcup$         | -        | 4        | +       | 4       | 4            | -        | Ш         |        |
| }   |                 | 24<br>25       | 44       | ╁        | ├            |              | -            |                                     | $\vdash$        | $\vdash$        | $\dashv$                              | 1       |       | 74<br>75        | $\vdash$  | -        | $\vdash$       | Н        | Н  | $\vdash$ | Н        | $\dashv$  | $\dashv$  |       |  | 124<br>125 | ╁╌┤              | +        | +        | +       | +       | +-           | ╁        | Н         |        |
| ŀ   |                 | 26             | 1        | +        | 1            | -            | 1            |                                     | Н               | $\forall$       | $\dashv$                              | 1       |       | 76              | T         | $\vdash$ | †              | H        |    | $\vdash$ |          | -         | $\dashv$  | •     |  | 126        | +                | 1        | +        | +       | +       | T            | †        | H         |        |
| Ţ   |                 | 27             | 1        |          |              |              |              |                                     |                 |                 |                                       | -[      |       | 77              | $\Box$    |          |                |          |    |          |          |           |           |       |  | 127        | $\Box$           | $\Box$   | 1        | 1       | I       | I            |          |           |        |
|     |                 | 28             | 7        | 4        | _            | -            | <u> </u>     | <u> </u>                            | Н               | $\sqcup$        | -                                     | -       |       | 78              | ╀         | $\vdash$ | 1              | Н        | Щ  | L        | Ц        | _         | Ц         |       |  | 128        | $\vdash \vdash$  | $\dashv$ | +        | +       | ╀       | +            | $\vdash$ | Н         |        |
| - } |                 | 29<br>30       | 7        | +        |              | -            | -            | H                                   | Н               | $\dashv$        | $\dashv$                              | ٠ }     |       | 79<br>80        | $\vdash$  | $\vdash$ | $\vdash$       | Н        | H  | $\vdash$ | $\dashv$ | -         | $\dashv$  |       |  | 129<br>130 | Н                | +        | +        | +       | +       | +            | +        | Н         |        |
| ŀ   |                 | 31             | H        | J        |              | $\vdash$     | Ι.           |                                     | Н               | $\dashv$        | $\dashv$                              | ł       |       | 81              | $\vdash$  | †        | $\vdash$       | H        |    |          |          | -         | $\dashv$  |       | <u> </u>   | 131        | Н                | $\dashv$ | +        | +       | +       | †            | †        | Н         |        |
|     |                 | 32             |          |          |              |              |              |                                     |                 |                 |                                       | Ì       |       | 82              | L         | L        |                |          |    |          |          |           |           | į     |  | 132        |                  |          | I        | I       | I       | $\mathbb{L}$ |          |           |        |
|     |                 | 33             | Ļ        |          | ļ.,          |              | _            | <u> </u>                            |                 | 4               | _                                     | -       |       | 83              | $\perp$   | 1        | <u> </u>       | Н        |    | إسا      |          | 4         | _         |       | ļ  | 133        | $\sqcup$         | 1        | 1        | 1       | $\perp$ | 1            | 1        | Ц         | ĺ      |
| -   | -               | 34<br>35       | Н        |          | -            | -            | -            | -                                   |                 | $\dashv$        | $\dashv$                              | ŀ       |       | 84<br>85        | +         | +        | -              | Н        |    | -        |          | -         | -         |       | <b>}</b>   | 134<br>135 | ┥                | +        | +        | +       | +       | +            | ┼        | Н         |        |
| }   |                 | 36             | Н        |          |              | <del> </del> | $\vdash$     | $\vdash$                            | H               | $\dashv$        | ᆌ.                                    | ł       |       | 86              | ╁         | +        | <del>  -</del> | H        | -  |          | $\vdash$ | $\dashv$  | $\dashv$  |       | <b></b>  | 136        | +                | $\dashv$ | +        | +       | +       | +            | T        | H         | i<br>I |
| t   |                 | 37             |          |          |              |              |              |                                     |                 |                 | $\Box$                                | Ì       |       | 87              |           |          |                |          |    |          |          |           |           |       |  | 137        |                  | 工        | I        | I       | I       | L            |          |           |        |
| Ţ   |                 | 38             | Ц        |          | $\Box$       |              | $\Box$       |                                     | Ц               | П               | $\Box$                                | ſ       |       | 88              |           |          | 匚              | Ц        | Ц  |          |          | $\Box$    | $\Box$    |       |  | 138        | П                | $\perp$  | $\perp$  | Ţ       | $\perp$ | $\bot$       | $\vdash$ | Ц         |        |
| -   |                 | 39<br>40       | Н        |          | $\vdash$     | H            | -            | $\vdash$                            | $\vdash \vdash$ |                 | $\dashv$                              | `  -    |       | 89<br>90        | ╁         | ┼-       | ├-             | $\vdash$ | Щ  | $\vdash$ | -        | -         | $\dashv$  |       |  | 139<br>140 | $\vdash$         | +        | +        | +       | +       | +            | ╄        | Н         |        |
| }   |                 | 41             | Н        |          | <del> </del> | ┢            | -            | <del> </del>                        | $\vdash$        | -               | $\dashv$                              | ŀ       |       | 91              | ╁╌        | $\vdash$ | H              | Н        | Н  | Н        | Н        | $\dashv$  | $\dashv$  | ł     | <del>                                     </del> | 141        | $\vdash \vdash$  | ┰        | +        | +       | +       | +            | +        | Н         |        |
| ŀ   |                 | 42             |          |          |              |              |              |                                     |                 |                 |                                       | t       |       | 92              | $I^-$     | T        |                |          |    |          |          | _         |           | إ     |  | 142        |                  | _        | <u>†</u> | T       | 士       | T            | T        | H         |        |
|     |                 | 43             |          |          |              |              |              |                                     |                 |                 | $\Box$                                | ſ       |       | 93              | L         |          |                | П        |    |          |          |           |           |       |  | 143        |                  | $\perp$  | 1        | Ţ       | Į       | L            | $\Box$   |           | ı<br>I |
| -   |                 | 44<br>45       | Н        | _        | Н            | $\vdash$     | $\vdash$     | Н                                   | Н               | $\dashv$        | $\dashv$                              | -       |       | 94<br>95        | ⊢         | -        | -              | Н        | Н  | Н        | Н        |           | Щ         |       |  | 144<br>145 |                  | +        | +        | +       | +       | +            | ⊢        | Н         | í      |
| -   |                 | 46             | Н        | _        | Н            | $\vdash$     | $\vdash$     | $\vdash$                            | Н               | $\vdash$        | $\dashv$                              | ŀ       |       | 96              | ╁         | $\vdash$ | $\vdash$       | Н        | H  | Н        | Н        | $\dashv$  | $\dashv$  |       | -  | 146        | $\vdash$         | $\dashv$ | +        | 十       | +       | ╁            | $\vdash$ | Н         | i<br>I |
| -   |                 | <del>  1</del> | $\vdash$ | _        | ⊢            | -            | ₩            | $\vdash$                            | $\vdash \dashv$ |                 |                                       | . ト     |       | 20              | ₩         | +        | -              | Н        | -  | $\vdash$ | Н        |           | $\dashv$  |       | ├  | 140        | <del>} -</del> ∤ | +        | -        | -       |         | +-           | $\vdash$ | ↤         |        |

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